Rahim Barzegar

List of Publications by Year
in descending order

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Version: 2024-02-01

41 papers	2,153 citations	270111 25 h-index	299063 42 g-index
45 all docs	45 docs citations	45 times ranked	1949 citing authors

#	Article	IF	Citations
1	Multi-step ahead soil temperature forecasting at different depths based on meteorological data: Integrating resampling algorithms and machine learning models. Pedosphere, 2023, 33, 479-495.	2.1	2
2	Introducing dynamic land subsidence index based on the ALPRIFT framework using artificial intelligence techniques. Earth Science Informatics, 2022, 15, 1007-1021.	1.6	8
3	Comparing the Soil Conservation Service model with new machine learning algorithms for predicting cumulative infiltration in semi-arid regions. Pedosphere, 2022, 32, 718-732.	2.1	1
4	A country-wide assessment of Iran's land subsidence susceptibility using satellite-based InSAR and machine learning. Geocarto International, 2022, 37, 14065-14087.	1.7	4
5	Developing a SINTACS-based method to map groundwater multi-pollutant vulnerability using evolutionary algorithms. Environmental Science and Pollution Research, 2021, 28, 7854-7869.	2.7	20
6	Improving GALDIT-based groundwater vulnerability predictive mapping using coupled resampling algorithms and machine learning models. Journal of Hydrology, 2021, 598, 126370.	2.3	46
7	Improving daily stochastic streamflow prediction: comparison of novel hybrid data-mining algorithms. Hydrological Sciences Journal, 2021, 66, 1457-1474.	1.2	29
8	Coupling a hybrid CNN-LSTM deep learning model with a Boundary Corrected Maximal Overlap Discrete Wavelet Transform for multiscale Lake water level forecasting. Journal of Hydrology, 2021, 598, 126196.	2.3	96
9	Mapping Risk to Land Subsidence: Developing a Two-Level Modeling Strategy by Combining Multi-Criteria Decision-Making and Artificial Intelligence Techniques. Water (Switzerland), 2021, 13, 2622.	1.2	10
10	Effect of Elevation on Variation in Reference Evapotranspiration under Climate Change in Northwest China. Sustainability, 2021, 13, 10151.	1.6	8
11	Predictive modeling of selected trace elements in groundwater using hybrid algorithms of iterative classifier optimizer. Journal of Contaminant Hydrology, 2021, 242, 103849.	1.6	16
12	Stochastic Modeling of Groundwater Fluoride Contamination: Introducing Lazy Learners. Ground Water, 2020, 58, 723-734.	0.7	29
13	Modification of the DRASTIC Framework for Mapping Groundwater Vulnerability Zones. Ground Water, 2020, 58, 441-452.	0.7	25
14	An ensemble tree-based machine learning model for predicting the uniaxial compressive strength of travertine rocks. Neural Computing and Applications, 2020, 32, 9065-9080.	3.2	39
15	Exploring the hydrogeochemical evolution of cold and thermal waters in the Sarein-Nir area, Iran using stable isotopes (Î´18O and Î´D), geothermometry and multivariate statistical approaches. Geothermics, 2020, 85, 101815.	1.5	13
16	Short-term water quality variable prediction using a hybrid CNNâ€“LSTM deep learning model. Stochastic Environmental Research and Risk Assessment, 2020, 34, 415-433.	1.9	231
17	Design and implementation of a hybrid model based on two-layer decomposition method coupled with extreme learning machines to support real-time environmental monitoring of water quality parameters. Science of the Total Environment, 2019, 648, 839-853.	3.9	123
18	Optimizing the DRASTIC vulnerability approach to overcome the subjectivity: a case study from Shabestar plain, Iran. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	20

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19	Using bootstrap ELM and LSSVM models to estimate river ice thickness in the Mackenzie River Basin in the Northwest Territories, Canada. Journal of Hydrology, 2019, 577, 123903.	2.3	39
20	Delimitation of groundwater zones under contamination risk using aÂbagged ensemble of optimized DRASTIC frameworks. Environmental Science and Pollution Research, 2019, 26, 8325-8339.	2.7	40
21	Natural and anthropogenic origins of selected trace elements in the surface waters of Tabriz area, Iran. Environmental Earth Sciences, 2019, 78, 1.	1.3	25
22	Assessing the potential origins and human health risks of trace elements in groundwater: A case study in the Khoy plain, Iran. Environmental Geochemistry and Health, 2019, 41, 981-1002.	1.8	83
23	Heavy Metal(loid)s in the Groundwater of Shabestar Area (NW Iran): Source Identification and Health Risk Assessment. Exposure and Health, 2019, 11, 251-265.	2.8	68
24	Multivariate statistics and hydrogeochemical modeling for source identification of major elements and heavy metals in the groundwater of Qareh-Ziaeddin plain, NW Iran. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	26
25	Multi-step water quality forecasting using a boosting ensemble multi-wavelet extreme learning machine model. Stochastic Environmental Research and Risk Assessment, 2018, 32, 799-813.	1.9	83
26	Mapping groundwater contamination risk of multiple aquifers using multi-model ensemble of machine learning algorithms. Science of the Total Environment, 2018, 621, 697-712.	3.9	134
27	Risk assessment and ranking of heavy metals concentration in Iranâ€™s Rayen groundwater basin using linear assignment method. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1317-1336.	1.9	34
28	Evidence for the occurrence of hydrogeochemical processes in the groundwater of Khoy plain, northwestern Iran, using ionic ratios and geochemical modeling. Environmental Earth Sciences, 2018, 77, 1.	1.3	27
29	Forecasting of groundwater level fluctuations using ensemble hybrid multi-wavelet neural network-based models. Science of the Total Environment, 2017, 599-600, 20-31.	3.9	150
30	Hydrogeochemical features of groundwater resources in Tabriz plain, northwest of Iran. Applied Water Science, 2017, 7, 3997-4011.	2.8	31
31	Identification of hydrogeochemical processes and pollution sources of groundwater resources in the Marand plain, northwest of Iran. Environmental Earth Sciences, 2017, 76, 1.	1.3	81
32	Characterization and Assessment of Groundwater Resources in a Complex Hydrological Basin of Central Greece (Kopaida basin) with the Joint Use of Hydrogeochemical Analysis, Multivariate Statistics and Stable Isotopes. Aquatic Geochemistry, 2017, 23, 271-298.	1.5	32
33	Hydrogeochemistry and water quality of the Kordkandi-Duzduzan plain, NW Iran: application of multivariate statistical analysis and PoS index. Environmental Monitoring and Assessment, 2017, 189, 455.	1.3	34
34	Comparison of machine learning models for predicting fluoride contamination in groundwater. Stochastic Environmental Research and Risk Assessment, 2017, 31, 2705-2718.	1.9	78
35	Assessing the hydrogeochemistry and water quality of the Aji-Chay River, northwest of Iran. Environmental Earth Sciences, 2016, 75, 1.	1.3	67
36	Characterization of hydrogeologic properties of the Tabriz plain multilayer aquifer system, NW Iran. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	39

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37	Comparative evaluation of artificial intelligence models for prediction of uniaxial compressive strength of travertine rocks, Case study: Azarshahr area, NW Iran. Modeling Earth Systems and Environment, 2016, 2, 1.	1.9	46
38	A supervised committee machine artificial intelligent for improving DRASTIC method to assess groundwater contamination risk: a case study from Tabriz plain aquifer, Iran. Stochastic Environmental Research and Risk Assessment, 2016, 30, 883-899.	1.9	65
39	Application of wavelet-artificial intelligence hybrid models for water quality prediction: a case study in Aji-Chay River, Iran. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1797-1819.	1.9	135
40	Combining the advantages of neural networks using the concept of committee machine in the groundwater salinity prediction. Modeling Earth Systems and Environment, 2016, 2, 1.	1.9	71
41	Assessment of heavy metals concentrations with emphasis on arsenic in the Tabriz plain aquifers, Iran. Environmental Earth Sciences, 2015, 74, 297-313.	1.3	42